

| U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT | | | | ATTY. DOCKET NO. 22064-71990 APPLICANT Royds, Leslie A. FILING DATE July 15, 2003 | | SERIAL NO. 10/620,221 GROUP 1614 | |
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| U.S. PATENT DOCUMENTS | | | | | | | |
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| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| | AR | "The Relation Between Fear Induced by Novel Stimulation and Exploratory Behavior" by K.C. Montgomery, J. Comp. Physiol. Psychol. (1955) vol. 48, 254-260. | | | | | |
| | AS | "Action of Penicillin on Inhibitory Processes in the Cat's Cortex" by H.V. Duijn, P.A. Schwartzkroin, and D.A. Prince, Brain Res. (1973) vol. 53, 470-476. | | | | | |
| | AT | "Convulsant Actions of Penicillin: Effects on Inhibitory Mechanisms" by H. Meyer and D. Prince (1973) vol. 53, 477-482. | | | | | |
| | AU | "Penicillin Decreases Chloride Conductance in Crustacean Muscle: A Model for the Epileptic Neuron" by B. Hochner, M.E. Spira, and R. Werman, Brain Res. (1976) vol. 107, 85-103. | | | | | |
| | AV | A.B. Chemomordik, Klin. Med. (1980) vol. 2, 102-105. | | | | | |
| | AW | "Antagonism by Penicillin of Gamma-Aminobutyric Acid Depolarizations at Presynaptic Sites in Rat Olfactory Cortex and Cuneate Nucleus In Vitro" by H.G. Pickles and M.A. Simmonds, Neuropharmacology (1980) vol. 19, 35-38. | | | | | |
| | AX | "GABA and the Behavioral Effects of Anxiolytic Drugs" by D.J. Sanger, Life Sciences (1985) vol. 36, 1503-1513. | | | | | |
| | AY | "Convulsant Doses of Penicillin Shorten the Lifetime of GABA-Induced Channels in Cultured Central Neurons" by P. Chow and D. Mathers, Br. J. Pharmac. (1986) vol. 88, 541-547. | | | | | |
| | AZ | "N-methyl-D-aspartate Receptors and the Enhancement of Somatosensory Evoked Potentials in Penicillin Epileptogenesis in Rats" by Z.I. Bashir and O. Holmes, Physiological Society (1987) 19P. | | | | | |
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| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| | BR | "Competitive Inhibition of N-Acetylated-alpha-Linked Acidic Dipeptidase Activity by N-Acetyl-L-Aspartyl-beta-Linked L-Glutamate", by V. Serval, L. Barbeito, A. Pittaluga, A. Cheramy, S. Lavielle, and J. Glowinski, J. Neurochemistry (1990) vol. 55, 39-46. | | | | | |
| | BS | "Time Course of Interictal EEG Patterns Induced by a Penicillin Injection into the Olfactory Cortex" by E. Horn, K. Esseling, and R. Wagner, Pharmacology Biochemistry & Behavior (1991) vol. 40, 351-357. | | | | | |
| | BT | "The Pharmacology of Recombinant GABA _A Receptors Containing Bovine alpha1, beta1, gamma2L Sub-units Stably Transfected into Mouse Fibroblast L-cells" by A.L. Home, K.L. Hadingham, A.J. Macaulay, P. Whiting, and J.A. Kemp, Br. J. Pharmacology (1992) vol. 107, 732-737. | | | | | |
| | BU | I.V. Batueva, N.P. Veselkin, and R. Veskov, Neurofiziolgiya (1992) vol. 24 (2), 151-160. | | | | | |
| | BV | "Increased Intra- and Extracellular Concentrations of Gamma-Glutamylglutamate and Related Dipeptides in the Ischemic Rat Striatum: Involvement of Gamma-Glutamyl Transpeptidase" by O. Orwar, X. Li, P. Andiné, C.-M. Bergström, H. Hagberg, S. Folstad, and M. Sandberg, J. Neurochemistry (1994) vol. 63, 1371-1376. | | | | | |
| | BW | "Endogenous Gamma-L-Glutamyl and Beta-L-Aspartyl Peptides and Excitatory Aminoacidergic Neurotransmission in the Brain" by V. Varga, R. Janaky, P. Saransaari, and S.S. Oja, Neuropeptides (1994) vol. 27, 19-26. | | | | | |
| | BX | "Penicillins and Their Derivatives: Anticancer/Antistress Properties?" by A.V. Kalueff, G.E. Samonina, and I.P. Ashmarin, Neuropsychopharmacology (1994) vol. 10, 272S. | | | | | |
| | BY | "Behavioral Effects of Penicillin in a Test for Anxiety in Rats" by A.V. Kaluev, G.E. Samonina, and I.P. Ashmarin, Bulletin of Experimental Biology and Medicine (1995) vol. 120, 984-986. | | | | | |
| | BZ | "Design, Synthesis, and Biological Activity of a Potent Inhibitor of the Neuropeptidase N-Acetylated Alpha-Linked Acidic Dipeptidase" by P.F. Jackson, D.C. Cole, B.S. Slusher, S. Stetz, L.E. Ross, B.A. Donzanti, and D.A. Trainor, J. Med. Chem. (1996) vol. 39(2), 619-622. | | | | | |
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| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| | CR | "Gamma-L-Glutamyl-L-Aspartate Induces Specific Deficits in Long-Term Memory and Inhibits [3H]Glutamate Binding on Hippocampal Membranes" by A. Ungerer, M.S. Bourgeois, C. Mélan, Y. Boulanger, J. Reinbolt, I. Amiri, and J.D. Barry, Brain Res. (1988) vol. 446, 205-211. | | | | | |
| | CS | E.F. Reynolds: "Martindale, The Extra Pharmacopoeia" 1996, Royal Pharmaceutical Society, London, XP002161510 See Official preparations, page 211, column 3, "Sterile clavulanate Potassium" page 211, column 2-3. | | | | | |
| | CT | Passani Lucius A., et al. "N-acetylasparylglutamate, N-acetylaspargate, and N-acetylated alpha-linked acidic dipeptidase and N-acetylated alpha-linked acidic dipeptidase in human brain and their alterations in Huntington and Alzheimer diseases." Molecular and Chemical Neuropathology, Vol. 31, No. 2, 1997, pages 97-118. XP000987254 ISSN: 1044-7393. | | | | | |
| | CU | Macknin M.L. "Behavioral changes after amoxicillin-clavulanate [letter]." Pediatric infectious disease journal, (1987 Sep) 6 (9) 873-4., XP000987260 | | | | | |
| | CV | Tsai Gouchuan et al: "Abnormal excitatory neurotransmitter metabolism in schizophrenic brains." Archives of general psychiatry, vol. 52, no. 10, 1995, pages 829-836, XP000987256 ISSN: 0003-990X | | | | | |
| | CW | Pangalos Menelas N. et al: "Isolation and expression on novel human glutamate carboxypeptidases with N-acetylated alpha-linked acidic dipeptidase and dipeptidyl peptidase IV activity." Journal of Biological Chemistry, Vol. 274, No. 13, 26 March 1999 (1999-03-226), pages 8470-8483, XP002161509 ISSN: 0021-9258 cited in the application. | | | | | |
| | CX | Drummond, J. et al., "Synthesis of a Cognition Enhancing Beta-Lactam Fused Gamma-Lactam", Tetrahedron Lett, 28(44):5245-8, (1987) | | | | | |
| | CY | Kabanov, A. et al., "The neuroleptic activity of haloperidol increases after its solubilization in surfactant micelles", FEBS LETTERS, (1989) | | | | | |
| | CZ | Nilsson, B. et al., "β-Lactam Analogues of Oxotremorine 3- and 4-Methyl-Substituted 2-Azetidinones", J. Med. Chem., 33:580-4, (1990) | | | | | |
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